

AMENDMENTS TO THE CLAIMS

1. (Currently amended): High quantum efficiency point detector system comprising:
a light source generating a light beam having an area; and
a detector that measures electric charges generated by the light beam with a cell size comparable to light beam area.
2. (Original): The detector system of claim 1 wherein the cell includes a single pixel.
3. (Original): The detector system of claim 1 wherein the cell includes at least two pixels.
4. (Previously presented): The detector system of claim 1 further including a readout capacitor and means for transferring, multiple times, charges from the detector to the capacitor and back.
5. (Original): The detector system of claim 1 further including a plurality of transfer and readout capacitors.
6. (Original): The system of claim 1 wherein the detector is a CCD detector.
7. (Original): The detector system of claim 5 wherein the plurality of transfer and readout capacitors are arranged in a pipeline configuration.
8. (Original): The detector system of claim 5 wherein the plurality of transfer and readout capacitors are arranged in a cyclic pattern around a light sensitive area.